

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-------------------------------------------------------------------------------------------|-------------------------------|------------------|---------|------------------|
| L2 | 11 | (carrier adj1 map) and random | US-PGPUB | OR | ON | 2005/07/20 16:21 |
| S16 | 1446 | multi\$1carrier with modulat\$3 | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:45 |
| S17 | 556 | (multi\$1carrier with modulat\$3) and ofdm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2003/09/30 17:10 |
| S18 | 228 | ((multi\$1carrier with modulat\$3) and ofdm) and random | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2003/09/30 17:10 |
| S20 | 1195 | modulat\$3 with carrier with ((random near3 (sequence or data or code)) or pn) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2003/09/30 17:29 |
| S21 | 27 | (modulat\$3 with carrier with ((random near3 (sequence or data or code)) or pn)) and ofdm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2003/09/30 17:30 |
| S22 | 1955 | modulat\$3 with (pilot or carrier or pulse) with random | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/11 14:53 |
| S23 | 106 | modulat\$3 with pilot with random | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/12 10:43 |
| S24 | 46 | (modulat\$3 with (carrier or pilot) with random) and ofdm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/12 11:32 |
| S25 | 106 | modulat\$3 with pilot with random | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/12 11:32 |
| S26 | 13 | (modulat\$3 with pilot with random) and ofdm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/12 11:32 |
| S27 | 1088 | modulat\$3 with (carrier or pilot) with random | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/16 16:50 |

| | | | | | | |
|-----|------|-----------------------------------------------------------------------|-------------------------------|----|----|------------------|
| S28 | 2 | (modulat\$3 with (carrier or pilot) with random) and 455/68.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/16 16:51 |
| S29 | 9 | (modulat\$3 with (carrier or pilot) with random) and 455/69.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2004/03/16 16:53 |
| S30 | 58 | (modulat\$3 with (pilot or carrier or pulse) with random\$2) and ofdm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:29 |
| S31 | 7862 | modulat\$3 with random | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:31 |
| S32 | 2003 | S31 and multi\$1plex\$3 | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:31 |
| S33 | 5 | S32 and 370/204.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:32 |
| S34 | 0 | S32 and 370/205.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:32 |
| S35 | 0 | S32 and 370/212.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:32 |
| S36 | 12 | S32 and 370/503.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:35 |
| S37 | 8 | S32 and 370/509.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:39 |
| S38 | 0 | S32 and 370/512.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:39 |
| S39 | 12 | S32 and 370/515.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:40 |

| | | | | | | |
|-----|-------|------------------------------------------------------------------------------------------|----------------------------------------|----|----|------------------|
| S40 | 6 | S32 and 370/527.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:41 |
| S41 | 3 | S32 and 370/529.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:41 |
| S42 | 6 | S32 and 370/535.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:44 |
| S43 | 31 | S32 and 375/365,367.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:51 |
| S44 | 16 | S32 and 455/17,24,68,69,126.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 10:57 |
| S45 | 12049 | (multi\$1carrier near3 modulat\$3) or mcm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 11:06 |
| S46 | 236 | S45 and (modulat\$3 same random) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 12:31 |
| S47 | 3736 | (modulat\$3 same (carrier or tone or pilot) same random) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 14:11 |
| S49 | 1074 | S47 and ((determin\$3 or measur\$3 or estimat\$3 or calculat\$3) with (channel or link)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 14:28 |
| S50 | 342 | S49 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 14:11 |
| S51 | 216 | S49 and "455"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 14:41 |
| S57 | 398 | S49 and "375"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 14:42 |

| | | | | | | |
|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----|----|------------------|
| S60 | 846 | (modulat\$3 with (carrier or pilot) with (pseudo\$1random or random)) and ((determin\$3 or measur\$3 or estimat\$3 or calculat\$3 or comput\$3) with (carrier or pilot)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 14:56 |
| S61 | 323 | S60 and "375"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 15:22 |
| S63 | 184 | S60 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 15:31 |
| S65 | 134 | S60 and "455"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 15:31 |
| S66 | 242 | (modulat\$3 with (carrier or pilot or tone or pulse or signal) with (pseudo\$1random or random)) and ((determin\$3 or measur\$3 or estimat\$3 or calculat\$3 or comput\$3) with (fading or interference or snr or ber) with (carrier or pilot or tone or pulse or signal)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 15:51 |
| S67 | 38987 | (multi\$1carrier adj1 modulat\$3) or mcm or (frequency near3 multi\$1plex\$3) or OFDM or fdma | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 15:55 |
| S68 | 4913 | S67 and ((pseudo\$1random or random) same (carrier or beacon or pilot or tone or pulse or signal)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 16:56 |
| S69 | 2769 | S68 and (feedback or loop\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 16:02 |
| S70 | 2294 | S69 and ((carrier or beacon or pilot or tone or pulse or signal) same (power or energy)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 16:03 |
| S71 | 832 | S70 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/25 17:38 |
| S80 | 771 | S70 and "375"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 11:22 |

| | | | | | | |
|-------|-------|----------------------------------------------------------------------------------------------------|-------------------------------|----|----|------------------|
| S81 | 39027 | (multi\$1carrier adj1 modulat\$3) or mcm or (frequency near3 multi\$1plex\$3) or OFDM or fdma | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 11:22 |
| S82 | 4918 | S81 and ((pseudo\$1random or random) same (carrier or beacon or pilot or tone or pulse or signal)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 12:50 |
| S83 | 2772 | S82 and (feedback or loop\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 11:22 |
| S84 | 2297 | S83 and ((carrier or beacon or pilot or tone or pulse or signal) same (power or energy)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 11:22 |
| S85 | 555 | S84 and "455"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 11:23 |
| S86 | 9008 | S81 and ((channel or link) with (carrier or pilot or tone or pulse)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 12:58 |
| S87 | 633 | S86 and (modulat\$3 same (pseudo\$1random or random) same (carrier or pilot or tone or pulse)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 12:59 |
| S88 | 279 | S87 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 15:10 |
| S97 | 39027 | (multi\$1carrier adj1 modulat\$3) or mcm or (frequency near3 multi\$1plex\$3) or OFDM or fdma | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 14:38 |
| S10 4 | 8122 | S97 and ((channel or link) with (carrier or tone or pilot)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 15:09 |
| S10 5 | 9008 | S97 and ((channel or link) with (carrier or pilot or tone or pulse)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 15:10 |
| S10 6 | 633 | S105 and (modulat\$3 same (pseudo\$1random or random) same (carrier or pilot or tone or pulse)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 15:10 |

| | | | | | | |
|----------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|------------------|
| S10 7 | 270 | S106 and "375"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 16:54 |
| S12 8 | 9008 | S108 and ((channel or link) with (carrier or pilot or tone or pulse)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 16:54 |
| S12 9 | 633 | S128 and (modulat\$3 same (pseudo\$1random or random) same (carrier or pilot or tone or pulse)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 16:54 |
| S13 0 | 134 | S129 and "455"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/26 16:54 |
| S13 1 | 41125 | (multi\$1carrier adj1 modulat\$3) or mcm or (frequency near3 multi\$1plex\$3) or OFDM or fdma or fdm | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/27 09:52 |
| S13 2 | 789 | S131 and (modulat\$3 same (carrier or tone or pilot) same (pseudo\$1random or random)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/27 10:03 |
| S13 3 | 330 | S132 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/27 10:04 |
| S13 4 | 17634 | (multi\$1carrier adj1 modulat\$3) or mcm or OFDM | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 09:39 |
| S13 6 | 19 | ("5197061" "5228025" "5452288" "5488632" "5528581" "5694389" "5726978" "5812599" "5815488" "5825807" "5903614" "5914932" "5940438" "5966412" "6125150" "6151296" "6192070" "6320903" "6327314").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/28 11:29 |
| S13 7 | 11 | ("4679227" "4731816" "4833706" "5025469" "5054034" "5226081" "5285474" "5317596" "5400322" "5479447" "5521908").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/28 11:08 |
| S13 8 | 35 | ("5812599").URPN. | USPAT | OR | ON | 2005/01/28 11:09 |
| S13 9 | 39 | ("5726978").URPN. | USPAT | OR | ON | 2005/01/28 11:14 |

| | | | | | | |
|----------|-------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|------------------|
| S14 0 | 3111 | S134 and ((channel or link) same (carrier or tone or pilot)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 11:38 |
| S14 1 | 442 | S140 and ((carrier or tone or pilot) same (pseudo\$1random or random)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 11:31 |
| S14 2 | 231 | S141 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 11:47 |
| S14 6 | 208 | S141 and "375"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 12:15 |
| S14 7 | 17634 | (multi\$1carrier adj1 modulat\$3) or mcm or OFDM | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 12:17 |
| S14 8 | 1675 | S147 and ((snr or ber or interference or quality or characteristic) same (carrier or tone or pilot) same (channel or link)) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/01/28 14:58 |
| S15 1 | 1347 | modulat\$3 with (carrier or tone) with (random) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/19 17:24 |
| S15 2 | 51 | S151 and (carrier with map\$4) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 11:59 |
| S15 3 | 1360 | carrier same map\$4 same channel | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 13:59 |
| S15 4 | 31 | S153 and (modulat\$3 with carrier with random\$7) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 13:53 |
| S15 5 | 1293 | (modulat\$3 with carrier with random\$7) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 14:36 |
| S15 6 | 19 | S155 and 375/260.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 13:54 |

| | | | | | | |
|----------|------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------|----|----|------------------|
| S15 7 | 508 | (carrier same random\$2 same multiplex\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 14:01 |
| S15 8 | 215 | S157 and "370"/\$.ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 14:02 |
| S15 9 | 1251 | (modulat\$3 with carrier with random\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:10 |
| S16 0 | 3079 | (carrier with map\$4) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:11 |
| S16 1 | 302 | (carrier same map\$4) same (feed\$1back or loop\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:31 |
| S16 2 | 11 | S159 and S161 | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:11 |
| S16 3 | 4932 | channel same carrier same (feed\$1back or loop\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:39 |
| S16 4 | 393 | (channel near3 (estimat\$3 or measur\$3 or analy\$4 or determin\$3)) same carrier same (feed\$1back or loop\$3) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:37 |
| S16 5 | 15 | S164 and 370/204,205,208,210, 212,252,484.cccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:33 |
| S16 6 | 117 | S159 and S163 | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:41 |
| S16 7 | 15 | S166 and "370"/\$.cccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/07/20 15:41 |